

REFERENCES

- Abtew, W., 1996. Evapotranspiration measurements and modeling for three wetland systems in South Florida. *Journal of the American Water Resources Association*, 32(3), pp.465-473.
- Abtew, W., 2002. Internal Memorandum sent to Ron Mierau, dated October 14, 2002. South Florida Water Management District, West Palm Beach, Florida.
- Abtew, W. and N. Khanal, 1992. Water Budget Analysis for the Everglades Agricultural Area (1979-1990). Internal Memorandum sent to "Distribution List" through L. Wedderburn, dated September 30, 1992. Water Resources and Evaluation Division, South Florida Water Management District, West Palm Beach, Florida.
- Ahn, H. and M. Ostrovsky, 1992. Lake Okeechobee Water Budget Analysis. Internal Memorandum sent to "Distribution List," dated April 16, 1992. Lower District Planning Division, South Florida Water Management District, West Palm Beach, Florida.
- Akan, A.O. and B.C. Yen, 1981. Diffusion-Wave Flood Routing in Channel Networks. *Journal of the Hydraulics Division*, ASCE, 107(HY6), pp. 719-732.
- Allen, R. G., 1997. Self-Calibrating Method for Estimating Solar Radiation from Air Temperature. *Journal of Hydrologic Engineering*, 2(2), pp.56-67.
- ASR Systems LLC, 2004. at www.asrforum.com. PO Box 969, Gainesville, FL, 32602.
- Barnes, J.A., 2003. Update of 2050 Land Use and Vegetation Cover for SFWMM v5.0. Internal Memorandum sent to J. Obeysekera, dated September 24, 2003. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.
- Biedenharn, D. and F. Tracy, 1987. Finite Element Method Package for Solving Steady-State Seepage Problems, Technical ITL-87-6. Department of the Army, Waterways Experiment Station, Corps of Engineers, Vicksburg, Mississippi.
- Brion, L.M., 1999. Internal Document. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.
- Brion, L.M., 2001. Subject: Re: New WMMv3.8 and Elevations for Calibration Gauges. Internal e-mail to Matthew Hinton, Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.
- Brion, L.M. and M. Guardo, 1991. Levee Seepage Update for the South Florida Water Management Model. Internal Memorandum sent to J. Obeysekera and T. Tisdale, dated May 2, 1991. Lower District Planning Division and Water Resources Division, South Florida Water Management District, West Palm Beach, Florida.

Brion, L.M. and J.A. Barnes, 2002. Extension of Public Water Supply Data for the South Florida Water Management Model v5.0 Calibration/Verification. Internal Memorandum sent to J. Obeysekera, L.G. Cadavid, and K.C. Tarboton, dated July 9, 2002. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Cadavid, L.G., R. Van Zee, C. White, P. Trimble, and J. Obeysekera, 1999. Operational Hydrology in South Florida using Climate Forecast. American Geophysical Union, Nineteenth Annual Hydrology Days, August 16-20.

Cadavid, L.G. and L. Brion, 2002. Western Boundary Flows at the L-1 and the L-3 Canals for Simulation of the ECP Base (BASER2R, SFWMM V3.8.2), ECP Future Base (2050wPROJ, SFWMM V4.4r6) and CERP Update (SFWMM V5.0), Internal Memorandum sent to Jayantha Obeysekera, dated June 18, 2002. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Christ, T., G. Thompson, and S. Lin, 2001. Technical Memorandum: Upper Kissimmee Chain of Lakes Routing Model. Contract 11665, South Florida Water Management District, West Palm Beach, Florida.

Cooper, R.M. and J. Roy, 1991. An Atlas of Surface Water Management Basins in the Everglades: Water Conservation Areas and Everglades National Park. Water Resources Division, South Florida Water Management District, West Palm Beach, Florida.

Davis, J. H., 1943. *The natural features of southern Florida, especially the vegetation, and the Everglades*. Geological Bulletin 25, Florida Geological Survey, Tallahassee, Florida.

Davis, S. M., L. H. Gunderson, W. A. Park, et al., 1994. Landscape Dimension, Composition, and Function in a Changing Everglades Ecosystem. *In: Everglades: The Ecosystem and its Restoration*. Ed. Davis, S. M. and J. C. Ogden. Delray Beach, Florida: St. Lucie Press.

de Marsily, G., 1986. *Quantitative Hydrogeology*. Orlando, Florida: Academic Press, Inc.

Douglas, M., 1947. *The Everglades, River of Grass*. Sarasota, Florida: Pineapple Press Inc.

Duffie, J. A. and W.A. Beckman, 1980. *Solar engineering of thermal processes*. New York: John Wiley and Sons.

EarthData International, Inc., 1999. LIDAR (Light Detection and Ranging) Elevation Data Collected for Water Conservation Area (WCA) 3A, North of Interstate 75 (I-75). Contracted by USGS.

Everglades Construction Project, 1990s. Survey Data for Stormwater Treatment Areas (STAs).

Florida Agricultural Statistics Service (FASS). Historic County Wide Crop Land Use Data.

Florida Statutes, 1994. Lake Okeechobee Protection Trust Fund, Chapter 373.4592. Tallahassee, Florida.

Florida Statutes, 2002. Florida Department of State's Chapter 40 Water Management Districts, Florida Administrative Code, Chapter 40E-63. Tallahassee, Florida.

Florida Department of Transportation, 1985. Florida Land Use, Cover and Forms Classification System, Department of Transportation, State Topographic Bureau, Thematic Mapping Section, Procedure No. 550-010-001-A.

FLUCCS, 1988. Florida Land Use, Cover and Forms Classification System. Department of Transportation. State Topographic Bureau, Thematic Mapping Section. Procedure No. 550-010-00101.

FLUCCS, 1995. Florida Land Use, Cover and Forms Classification System. Department of Transportation, State Topographic Bureau, Thematic Mapping Section, Procedure No. 550-010-00101.

FLUCCS, 2000. Florida Land Use, Cover and Forms Classification System. Department of Transportation, State Topographic Bureau, Thematic Mapping Section, Procedure No 550-010-00101.

Food and Agriculture Organization, 1988. Yield Response to Water, Food and Agriculture Organization of the United Nations, Irrigation and Drainage Paper No. 33. Rome, Italy. 193 pp.

Gee & Jenson, 1995. Lower East Coast Regional Conveyance Alternatives, Phase 2, Task 2.4 - Determination of Pass-Through Flow Capacity Relationships as a Function of Lake Okeechobee Release Rates and Canal Tailwater Elevations, Summary Report. Submitted to South Florida Water Management District under Contract No. C-4122, dated January 1995. West Palm Beach, Florida.

Giddings, J. and J. Restrepo, 1995. Unsaturated Component for an Integrated Surface-Ground Water Flow Models (ET-RECHARGE Program), Internal (draft) Memorandum sent to "Distribution List," dated February 1995. Lower East Coast Planning Division, South Florida Water Management District, West Palm Beach, Florida.

Gove, C. 1993. SFWMM Topography: Data Sources for the Everglades Agricultural Area (EAA) and Water Conservation Areas (WCAs), Internal Memorandum to Cal Neidrauer, dated December 22, 1993. South Florida Water Management District, West Palm Beach, Florida.

Hargreaves, G. H., and Z. A. Samani. 1982. Estimating Potential Evapotranspiration. *Journal of Irrigation and Drainage Engineering*, ASCE, 108(3).

Hargreaves, G. H., 1994. *Simplified Coefficients for Estimating Monthly Solar Radiation in*

North America and Europe. Department Paper, Department of Biology and Irrigation Engineering, Utah State University, Logan, Utah.

Hinton, M., 2001. Topo 2000 Elevation Update. Internal Memorandum sent to Ken Tarboton, dated November 21, 2001. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

IFAS. 2001. *Agricultural and Rural Area Study*. Institute of Food and Agricultural Sciences, Gainesville, FL.

Ingebritsen, S.E., C. McVoy, B. Glaz, and W. Park. 1999. *Subsidence Threatens Agriculture and Complicates Ecosystem Restoration*. USGS Circular 1182, Florida Everglades.

Irizarry, M.M., 2002. ET-Recharge Calculations for the LEC for the 2000 Base Simulation as Part of the SFWMM2000 Effort. Internal Memorandum sent to K. Tarboton, dated June 7, 2002. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Irizarry, M.M. and J.A. Barnes, 2004. Determination of the FLR, FGI, and FLI Parameters for the SFWMM v5.4. Internal Memorandum sent to J. Obeysekera through L.G. Cadavid, dated August 6, 2004. Office of Modeling, South Florida Water Management District, West Palm Beach, Florida.

Irizarry-Ortiz, M. M., 2003a. Review of Methods for Long-Term (1965-2000) Solar Radiation and Potential Evapotranspiration Estimation for Hydrologic Modeling in South Florida. Internal Memorandum to K. Tarboton. South Florida Water Management District, West Palm Beach, Florida.

Irizarry-Ortiz, M.M., 2003b. Selected Methodology for Long-Term (1965-2000) Solar Radiation and Potential Evapotranspiration Estimation for the SFWMM2000 Update. Internal Memorandum sent to Ken Tarboton, dated December 12, 2003. South Florida Water Management District, West Palm Beach, Florida.

Jensen, M.E., R.D. Burman, and R.G. Allen (eds.), 1990. *Evaporation and Irrigation Water Requirements*, ASCE Manuals and Reports, No. 70, 350 pp.

Keith and Schnars, 1993. GPS Topography Survey of WCA-2A.

Konikow, L.F. and J.D. Bredehoeft, 1992. Ground-water Models Cannot be Calibrated. *Advances in Water Resources*, 15(1), pp. 75-83.

Lal, Wasantha, A. M., 1994. Evaluation of Natural System Model Output Uncertainty Using South Florida Water Management Model Results. Internal (draft) report, Research Department, South Florida Water Management District, West Palm Beach, Florida.

- Lal, Wasantha, A. M., 1995. Calibration of Riverbed Roughness. *Journal of Hydraulic Engineering*, ASCE 121(9), pp. 664-671.
- Lal, Wasantha, A. M., 1998. Performance comparison of overland flow algorithms. *ASCE Journal of Hydraulic Engg.*, 124(4), April 1998, pp. 342-349.
- Lal, Wasantha, A. M., 2000. Numerical errors in groundwater and overland flow models. *Water Resources Research*, 36(5), pp. 1237-1247.
- Lewis, Longman and Walker, 2000. Letter Reference to Seminole Tribe of Florida Inputs for SFWMM Modeling Efforts. Lewis, Longman and Walker, P.A. West Palm Beach, Florida.
- Lindahl, Browning, Ferrari, and Hellstrom, Inc., 1999. *The Rotenberger Wildlife Management Area Survey*.
- Loucks, D.P. and J.R. Stedinger, 1994. Sensitivity and Uncertainty Analysis in Hydrologic Simulation Modeling of the South Florida Water Management District, Report on Reduction of Uncertainties in Regional Hydrologic Simulation Models (SFWMM and NSM). School of Civil and Environmental Engineering, Cornell University, Ithaca, New York.
- McCuen, R.H., 1982. Florida Irrigation Guide. U.S. Department of Agriculture, Soil Conservation Service, Gainesville, Florida.
- McVoy, C. and W. Park, 1997. Final Vegetation Coverage for the South Florida Water Management Model and Definition of Classes. Internal Memorandum sent to L. Cadavid, K. Tarboton, C. Neidrauer and R. Van Zee, dated August 12, 1997. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.
- Meyer, F.W. and J.E. Hull, 1969. Seepage Tests in L-D1 Borrow Canal at Lake Okeechobee, Florida, Open-File Report 68006. U.S. Geological Survey, Tallahassee, Florida.
- Neidrauer, C.J., 1993. Revised Methodology for Integrating Preprocessed Irrigation Demands and Unsaturated Zone Evapotranspiration into the SFWMM. Internal Memorandum sent to K. Ammon, dated November 23, 1993. Lower East Coast Planning Division, South Florida Water Management District, West Palm Beach, Florida.
- Neidrauer, C.J. and R.M. Cooper, 1989. A Two-Year Field Test of the Rainfall Plan: A Management Plan for Water Deliveries to Everglades National Park, Tech. Pub. 89-3. Water Resources Division, South Florida Water Management District, West Palm Beach, Florida.
- Obeysekera, J., P.J. Trimble, L.G. Cadavid, E.R. Santee, and C. White, 2000. Use of Climatic Outlook for Water Management in South Florida, USA.
(http://www.sfwmd.gov/org/pld/hsm/reg_app/opln/Publications/obeypaper.pdf)
- Restrepo, J.I. and J. Giddings, 1994. Physically Based Methods to Estimate Evapotranspiration

and Recharge Rates Using GIS. Proceedings from the Annual Summer Symposium of the American Water Resources Association. Jackson Hole, Wyoming, pp. 65-74.

Richardson, J.R. and E. Hamouda, 1995. BIS Modeling of Hydroperiod, Vegetation, and Soil Nutrient Relationships in the Lake Okeechobee Marsh Ecosystem. *Arch. Hydrobiol., Advances in Limnology*, 45, pp. 95-115.

Richardson, J.R. et al., 1990. An Evaluation of Refuge Habitats and Relationships to Water Quality, Quantity, and Hydroperiod. Florida Cooperative Fish and Wildlife Research Unit, University of Florida, Gainesville, Florida.

Rutchev, K., and L. Vilchek, 1994. Development of an Everglades Vegetation Map Using a SPOT Image and the Global Positioning System. *Journal of Photogrammetric Engineering and Remote Sensing*, 60(6), pp. 767-775.

Saul'yev, V.K., 1964. *Integration of Equations of Parabolic Type by the Methods of Nets*. New York, New York: Pergamon Press.

Shaw, J.E., 1980. Hydrogeologic Investigation Along Eastern Portions of Lake Okeechobee, Technical Memorandum 8/80. Groundwater Division, South Florida Water Management District, West Palm Beach, Florida.

Shih, S.F., 1980. Water Budget Computation for a Shallow Lake - Lake Okeechobee, Florida. *Water Resources Bulletin*, AWRA, 16(4), pp. 724-728.

Shih, S.F., B. Glaz, and R.E. Barnes, Jr., 1997. Subsidence Lines Revisited in the Everglades Agricultural Area, 1997. University of Florida Bulletin (Tech) 902, Gainesville, FL.

Shih, S. F., E.H. Stewart, L.H. Allen Jr., and J.E. Hilliard, 1979. Variability of Depth to Bedrock in Everglades Organic Soil. In: *Soil and Crop Society of Florida Proceedings*, v. 38.

Smajstrla, A.G., 1990. Technical Manual: Agricultural Field-Scale Irrigation Requirements Simulation (AFSIRS) Model, Version 5.5. Agricultural Engineering Department, University of Florida, Gainesville, Florida.

Smith, M., 1991. Report on the Expert Consultation on Procedures for Revision of FAO Guidelines for Prediction of Crop Water Requirements. Food and Agriculture Organization of the United Nations, Rome, Italy.

Smith, S., 2001. Subject: Info Request, dated September 11, 2001. Internal e-mail to Matthew Hinton. Watershed Management Division, South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 1991. Water Shortage Plan, Rules of the South Florida Water Management District, Chapter 40E-21, Internal Report. South Florida Water

Management District, West Palm Beach, Florida.

South Florida Water Management District, 1992. Surface Water Improvement and Management Plan (SWIM) for the Everglades. South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 1994. Permit Information Manual Vol. 3: Basis of Review for Water Use Permit Applications. South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 1998. Natural System Model Version 4.5 Documentation. Planning Department, South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 1999. A Primer to the South Florida Water Management Model (Version 3.5). Planning Department, South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 2000. Caloosahatchee Water Management Plan. Planning Department, South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District, 2002. Draft Lake Okeechobee Supply-Side Management. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Stephens, J. C., L.H. Allen Jr., and E.C. Chen, 1984. Organic Soil Subsidence. *Geological Society of America Reviews in Engineering Geology*, v6.

Stephens, J. C. and L. Johnson, 1951. Subsidence of Organic Soils in the Upper Everglades Region of Florida. In: *The Soil Science Society of Florida*, Proceedings Volume XI.

Stone and Webster, Undated. Survey of north Miami-Dade County.

Tracy, F.T., 1983. Users Guide for a Plane and Axisymmetric Finite Element Program for a Steady-State Seepage Problem. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.

Trimble, P., 1986. South Florida Routing Model, Technical Publication 86-3. Water Resources Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P., 1992a. Implementation of the Lake Okeechobee Supply-Side Management Plan into the South Florida Water Management Model (SFWMM). Internal Memorandum sent to K. Ammon, dated February 28, 1992. Lower District Planning Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P., 1992b. A Module to Compute Supply Side Management Releases for the Lake Okeechobee Service Area. Internal Memorandum sent to K. Ammon, dated April 16, 1992. Lower District Planning Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P., 1995a. An Evaluation of the Certainty of System Performance Measures Generated by the South Florida Water Management Model, M.S. Thesis. Florida Atlantic University, Boca Raton, Florida.

Trimble, P., 1995b. Operational Guidelines Incorporated into the SFWMM for Discharging Water from Lake Okeechobee to the WCAs. Internal Memorandum sent to C. Neidrauer, dated January 6, 1995. Lower East Coast Planning Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P., 1996. Lake Okeechobee Evapotranspiration Update for the SFWMM. Internal Memorandum sent to C. Neidrauer, dated November 1, 1996. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P., E.R. Santee, and C.J. Neidrauer, 1997. A Refined Approach to Lake Okeechobee Water Management: An Application of Climate Forecasting, Internal Report. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida.

Trimble, P.J., E.R. Santee, and C.J. Neidrauer, 1998. Special Report, A refined approach to Lake Okeechobee water management, An application of climate forecasts. Hydrologic Systems Modeling Division, South Florida Water Management District, West Palm Beach, Florida 33416.

U.S. Army Corps of Engineers, Undated. Survey of south Miami-Dade County.

U.S. Army Corps of Engineers, 1984. Technical Publication 84-3 (TP84-3), South Florida Water Management Model Documentation Report.

U.S. Army Corps of Engineers (Contracted to Aero-Metric, Inc.), 1986. The 8.5 Square-Mile Area Survey.

U.S. Army Corps of Engineers, 1990. HEC-2, Water Surface Profiles User's Manual. Hydrologic Engineering Center, U.S. Army Corps of Engineers, Davis, California.

U.S. Army Corps of Engineers, 1994. HEC-DSS, User's Guide and Utility Manuals. Hydrologic Engineering Center, U.S. Army Corps of Engineers, Davis, California.

U.S. Army Corps of Engineers, 1999. The 8.5 Square-Mile Area Survey.

U.S. Geological Survey. High-Accuracy Elevation Data Collection from the United States Geological Survey (USGS). North American Vertical Datum 1988 (NAVD88)

U.S. Geological Survey, 1990. High-Accuracy Elevation Data Collection from the United States Geological Survey (USGS). North American Datum 1983 NAD83(90)

Van Zee, R., 1993. Modifications to the Grid_IO Library. Internal Memorandum sent to J. Obeysekera, dated November 29, 1993. Everglades Systems Restoration Division, South Florida Water Management District, West Palm Beach, Florida.

Visher, F.N. and G.H. Hughes, 1969. The difference between rainfall and potential evaporation in Florida. 2nd Ed. Florida Bureau of Geology Map Series 32, Tallahassee, Florida.

Walker, W.W., 2000a. Models for Tracking Runoff & Phosphorus Loads from the C-139 Basin. Draft Report Prepared for the South Florida Water Management District.

Walker, W.W., 2000b. Models for Tracking Runoff & Phosphorus Loads from the C-139 Basin. Final Report Prepared for the South Florida Water Management District.

Walpole, R.E. and R.H. Myers, 1990. *Probability and Statistics for Engineers and Scientists*, 4th Edition. New York, New York: Macmillan Publishing Company.

Wang, H.F. and M.P. Anderson, 1982. *Introduction to Groundwater Modeling*. San Francisco, California: W.H. Freeman and Company.

Welch, R., M. Remillard, and R. Doren, 1995. GIS Database Development for South Florida's National Parks and Preserves. *Photogrammetric Engineering & Remote Sensing*, 61(11), pp. 1371-1381.

Wilcox, W.M. and K. G. Konyha, 2003a. Calibration of the Caloosahatchee (C43) Basin AFSIRS/WATBAL Model for Use in Modeling Select Lake Okeechobee Service Area Basins in v5.0 of the South Florida Water Management Model. South Florida Water Management District, West Palm Beach, Florida.

Wilcox, W.M. and R. J. Novoa, 2003b. SFWMM v5.0 Improvements with Respect to Modeling of Lake Okeechobee Service Area and Lake Okeechobee Inflow Basins. South Florida Water Management District, West Palm Beach, Florida.

Willis, R. and W.W. G. Yeh, 1987. *Groundwater Systems Planning and Management*. Englewood Cliffs, New Jersey: Prentice-Hall, Inc.

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